



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
FOLSOM RESOURCE AREA
63 NATOMA STREET
FOLSOM, CALIFORNIA 95630

6700CRP
CA-018.01



F1-277

Lester Snow
CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

July 25, 1997

Dear Mr. Snow:

The Folsom Resource Area, Cosumnes River Preserve requests your consideration of the enclosed CALFED Category III RFP for the Willow Slough Pedestrian Bridge. I have attached letters of support from the local schools who use the Preserve for environmental education.

The pedestrian bridge will provide visitors to the Preserve with the opportunity to observe the results of restoration activities benefitting chinook salmon, greater sandhill cranes, giant garter snakes, migratory waterfowl and shorebirds in and adjacent to the Delta. The bridge will increase visitor awareness of key CALFED stressors by giving Visitor Center users a direct conduit to examples of restoration activities.

Sincerely,

Timothy Carroll
Acting Area Manager



Galt Joint Union School District

July 18, 1997

Board of Education
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Director of Educational Services
JERRY KEEN

Director of Curriculum
KAREN SCHAUER

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21 C Street
Galt, CA 95622
(209) 745-2911
FAX Number
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Business Office
(209) 745-1055
FAX Number
(209) 745-7747

Educational Services
(209) 745-5458
FAX Number
(209) 745-5458

Schools
FAIRSITE ELEMENTARY
A. Bobles-Williams, Principal

RIVER OAKS ELEMENTARY
Judy Bullard, Principal

VALLEY OAKS ELEMENTARY
Ida Denier, Principal

MARENGO RANCH ELEM.
Jaent Handley, Principal

VERNON E. GREER MIDDLE
Bill Maffet, Principal

Lester Snow
CALFED
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

Dear Mr. Snow:

The Galt Joint Union Elementary School District has been involved with the Cosumnes River Preserve for the last two years. We have worked closely with Sara Blanchette and the interpretative staff to provide ongoing training for school staff, field trip opportunities for our K - 8 students and opportunities for parents and other community members to visit and actually participate in preservation activities.

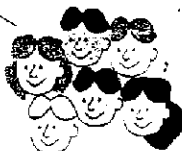
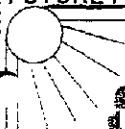
Our involvement is a true partnership! Literally hundreds of children from our community and school staff have helped with preservation projects at the preserve while, at the same time, receiving exciting hands-on learning experiences that can only be provided in such a natural setting.

The Cosumnes River Preserve is a very special place. Its impact on the education of our children has been significant. We support their request for funding for a bridge connecting Willow Slough trail and the Visitor Center as well as additional interpretive displays - such modification will only enhance the many opportunities currently available to our community.

Sincerely,

Jeffery T. Jennings, Ed.D.
District Superintendent

ih



July 17, 1997

Mr. Lester Snow
CALFED
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

Dear Mr. Snow,

For the last several years, the Cosumnes River Preserve has partnered with our elementary school district to extend meaningful learning beyond classroom walls. The partnership has benefitted adults and children through varying outdoor experiences involving restoration projects and the Willow Slough Nature Trail. During the 1996-97 school year, 39 GJUESD teachers received training to serve as Apprentice Naturalists to work with the Preserve in exciting restoration projects. Twenty-four field trips followed the training through funding provided by the Nature Conservancy. Sarah Blanchette and other Preserve staff members have inspired educators and parents to recognize and act in preserving natural habitat environments.

Children and adults have gained an increasing understanding about the impact of habitat loss and the importance of the Cosumnes River as the last undammed river flowing from the Sierra to the Central Valley. In addition, field trip experiences and staff development for all GJUESD learners have strengthened science conceptual understanding and fostered the application of mathematics and language arts skills through hands-on learning. Environmental literacy is moving beyond words through this important learning partnership that is growing within our district and community.

We believe learning opportunities would be greatly enhanced through the construction of a bridge connecting the Willow Slough Nature trail and the Visitor Center with interpretative displays. The Cosumnes River Preserve continues to demonstrate the value of partnership in helping us understand the care and action needed to sustain valuable habitats. We strongly advocate your support in funding this structure to serve Galt's children and numerous visitors beyond our City who visit the Preserve.

Sincerely,

Karen Schauer
Director of Curriculum

Galt Joint Union Elementary School District
21 C Street • Galt, CA 95632 • 209-745-2911 • 209-745-9687 FAX

Jeff T. Jennings, District Superintendent • James Bauer, Assistant Superintendent of Business Services

BOARD OF TRUSTEES: Ervin Hatzenbuehler • Tina Skinner • Donna Fluty • Donald Nottoli • Valerie Johnston



FAIRSITE SCHOOL

July 18, 1997

Lester Snow
CALFED
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

Dear Mr. Snow,

I am writing this letter to support the proposal for installing interpretive panels along the bridge connecting the Cosumnes River Preserve Visitor Center and the Willow Slough Nature Trail. As a teacher who regularly brings elementary school students to the Preserve, I look forward to using these displays to reinforce concepts taught in the classroom and studied on our field trips.

The fall and spring visits to the Cosumnes River Preserve are an integral part of the fourth grade environmental education program at Fairsite School. Each site visit includes interpretation along the trails and a restoration project. These activities focus on major themes related to our science curriculum. Last fall students enthusiastically gathered and planted acorns in the morning; then with the help of preserve staff and volunteers explored the oak riparian forest. This field trip led to further discussions and study of how humans interact with the environment. It also fostered other community involvement projects during the year.

These panels will help illustrate the value of the tidal estuaries and wetlands as important wildlife habitat and as an integral part of the Bay-Delta ecosystem. The installation of these panels will augment the spectacular displays already in place at the Visitor Center and enhance the trail experience for all who come to the Cosumnes River Preserve to enjoy the unique natural communities.

Sincerely,

John Durand,
Fourth Grade Teacher

WILLOW SLOUGH PEDESTRIAN BRIDGE

I. Executive Summary

a. *Project title and applicant name*

The United States Department Interior's Bureau of Land Management requests \$180,000 for the construction of the **Willow Slough Pedestrian Bridge**. The applicant is the U.S. Bureau of Land Management, Folsom Resource Area Office, Cosumnes River Preserve.

b. *Project description and primary biological/ecological objectives*

The proposal is to construct a pedestrian bridge across a tidal slough, connecting the Cosumnes River Preserve Visitor Center to the existing Willow Slough Nature Trail. The purpose of the project is to enhance and expand the existing education program at the Cosumnes River Preserve and to provide an interpretive opportunity focused on restoration opportunities in the Bay-Delta for the general public and for thousands of school children, their parents and teachers who participate in the Cosumnes River Preserve's education program each year.

c. *Approach/tasks/schedule*

The proposal is to allocate funds for bridge construction based on a recent professional cost estimate for the project, plus contingency. BLM will be responsible for permits and environmental review, the bid process, contracting, and construction oversight. Depending on award date and availability of funds, construction will take place in Summer 1998.

d. *Justification for Project*

The Cosumnes River Preserve is an outstanding example of restoration projects which benefit key stressor species identified by CALFED. These species include greater sandhill cranes, giant garter snakes, Swainson hawks, ~~chinook salmon and splittail~~. The project will enhance the value of the Cosumnes River Preserve as an education site. The project will advance awareness of the CALFED Bay-Delta Program indirectly, but significantly help address major stressors on a long term basis.

e. *Budget costs and third party impacts*

Total request is for \$180,000 for bridge construction. An on-bridge interpretive program is an integral part of the project and is the subject of a separate proposal from The Nature Conservancy. Cost-sharing project support is committed from BLM

(permits and environmental, bid process management, contract development, construction oversight and The Nature Conservancy (permits). The bridge will span between property owned by BLM and property owned by The Nature Conservancy. The Nature Conservancy supports this proposal and consents to use of its land for this purpose. There are no known adverse third-party impacts.

f. *Applicant qualifications*

BLM is a signatory to the Cosumnes River Preserve Cooperative Management Agreement. The Preserve's Visitor Center is located on BLM property. BLM managed the contracting and provided construction oversight for the original construction of the Visitor Center in 1993 and for reconstruction) following an arson fire in December 1995. BLM staff are highly qualified to manage complex bid-construct programs; this project presents no special challenges.

g. *Monitoring and data evaluation*

BLM and The Nature Conservancy track teacher and student participation in the education program and monitor visitor use of the Preserve. Use of the pedestrian bridge will be monitored in conjunction with these ongoing programs.

h. *Local support/coordination with other programs/compatibility with CALFED objectives*

The Preserve's Visitor Center receives extensive use by the public and specialized groups. The Nature Conservancy's education program has a high level of support within the schools and the local community. This project furthers CALFED objectives by strengthening the relationship with key gateway communities (Galt, Elk Grove, Sacramento) and by providing new and enhanced interpretive and educational opportunities associated with a key Delta environment.

II. Title Page

a. Title of Project

Willow Slough Pedestrian Bridge

b. Name of applicant/principal investigator(s); address; phone/fax/e-mail; organizational, institutional or corporate affiliations of applicant/principal investigator(s)

Rick Cooper, Manager, Cosumnes River Preserve
Bureau of Land Management
13501 Franklin Blvd.
Galt, CA
(916) 683 1701
(916) 683 1702 (fax)
email: ricooper@ca.blm.gov

c. Type of organization and tax status

The Bureau of Land Management is an agency of the federal government. BLM is a signatory to the Cosumnes River Preserve Cooperative Management Agreement. Rick Cooper, Preserve Manager, is a BLM employee in his 20th year of service with BLM and in his third year as Preserve Manager.

d. Tax identification number and/or contractor license, as applicable

Not applicable.

e. Technical and financial contact person(s), address, phone/fax/e-mail (if different from above)

Same as part b.

f. Participants/collaborators in implementation

This is a collaborative project with The Nature Conservancy, Sacramento County Regional Parks, California Department of Fish and Game, California Department of Water Resources, Wildlife Conservation Board and Ducks Unlimited, Inc.

g. RFP project group type(s) (Construction; Acquisition; Other Services)

This is a construction project.

III. Project Description

a. *Project description and approach*

The proposal is to construct a pedestrian bridge across a tidal slough, connecting the Cosumnes River Preserve Visitor Center to the existing Willow Slough Nature Trail. The purpose of the project is to enhance and expand the existing education program at the Cosumnes River Preserve and to provide an interpretive opportunity focusing key Bay-Delta issues, both for the general public and for the thousands of school children, their parents and teachers who participate every year in the Cosumnes River Preserve's education program. The pedestrian bridge is an element of the master plan for the Visitor Center. Plans for the bridge have been developed and initial permitting completed. Completion of the bridge will greatly enhance the visitor-serving infrastructure of the Preserve by providing direct pedestrian access from the Willow Slough Trail to the Visitor Center (and vice versa). The bridge will also allow buses to park and off-load students at the Willow Slough Trailhead, 1/4-mile north, and students to access the Visitor Center from the trail. This will facilitate access, since the Visitor Center parking lot is not accessible to buses. Finally, during moderate floods, when the upper section of the Willow Slough Trail (between the bridge east end and the Franklin Boulevard trailhead) is inaccessible due to high water, the bridge will allow Visitor access to portions of the trail that will provide high quality waterfowl viewing opportunities.

b. *Location and/or geographic boundaries of project*

The bridge will span Willow Slough, from the Cosumnes River Preserve Visitor Center to the Willow Slough Trail, both existing. The Visitor Center is located on Franklin Boulevard, south of Twin Cities Road, in southern Sacramento County. Willow Slough is a tidal arm of the lower Cosumnes River. At the proposed point of crossing, the Slough is heavily vegetated with native vegetation (predominately buttonbush, willow, and oak). The bridge would be located on property owned by BLM and The Nature Conservancy. Figure 1 depicts the location of the Visitor Center and proposed bridge on the Cosumnes River Preserve. Figure 2 is a site diagram for the Visitor Center, bridge, and trail.

c. *Expected benefits*

The Willow Slough Bridge is an integral part of the master plan for the Cosumnes River Preserve Visitor Center. As an infrastructure element, it will improve the quality of the visitor's experience, provide explicit opportunities for interpretation and education related to the Bay-Delta system, the role of tidal estuaries and wetlands, and the value of flooded habitats for the fishery and aquatic mammals, and it will enhance the effectiveness of The Nature Conservancy's education program on the Preserve. The bridge provides immediate access visitors to observe the results of

riparian forest and wetland restoration projects. The bridge would also act as focal point for interpretive displays relating to Bay-Delta objectives.

Although these are not direct ecosystem benefits, this project (in conjunction with similar activities elsewhere) is integral to the long term success of the Bay-Delta program. It will aid in developing public support and understanding of ecosystem management principles, ecosystem restoration potential, and the key role of natural factors like flooding and tidal action. The Visitor Center-Willow Slough site, when fully functioning with the addition of the bridge, will communicate a positive message about large scale ecosystem restoration. This message is particularly needed in this geographic context - close to the State Capitol, midway between the urban centers of Stockton and Sacramento, and just a few miles off Interstate 5.

d. *Background and biological/technical justification*

The Cosumnes Preserve partners believe that the success of ecosystem management in the long term requires educating those who will be responsible for the future of our natural heritage: our children.

Toward this end, and in response to the expressed interest of local teachers, The Nature Conservancy has developed a model environmental education program at the Cosumnes River Preserve. By educating the children in the communities in which we work, and involving their parents and teachers, the program supports the conservation mission of the preserve as well as our goal to protect the 1,200-square-mile Cosumnes River Watershed as a whole, functioning ecosystem. Each year nearly one thousand students participate in a hands-on restoration activity, and several thousand more visit the Preserve independently in teacher-initiated visits.

The education program integrates a classroom curriculum with hands-on outdoor activities at the Cosumnes River Preserve. Its goal is to teach students the natural and cultural history of this riverine system, the science of protecting and restoring sensitive habitat, and how people and nature can thrive together.

Prior to scheduling a field trip, teachers and parents attend a teacher workshop, during which they learn how to lead their own field trips. Teachers are introduced to the Visitor Center exhibits and the trails, providing the information necessary coordinate their field trip. In the absence of a bridge connecting the trail to the Visitor Center, the logistics are overwhelming to most teachers. The ease of going from the trail directly to the Visitor Center will be greatly appreciated. The classroom curriculum emphasizes interpretative themes specific to the Central Valley, such as the importance of flooding and the uniqueness of the Cosumnes River as the last undammed river in the Central Valley. On-site the students' record observations about the natural environment along our nature trails, view the Visitor Center interpretive exhibits, and in limited cases, participate in a hands-on restoration activity by planting native trees.

Such lessons will help connect them to their natural world and engender a personal investment in protecting the Valley's natural values.

The proposed pedestrian bridge will build on visitor activities and interpretive experiences already in place at the Cosumnes River Preserve. By walking the bridge, the school children, as well as all visitors, will gain an appreciation of the Central Valley's tidal marshes. They will see their natural heritage first hand, experiencing the same dense buttonbush thickets and abundant wildlife as the California Indians and early settlers. In the winter the visitor will enjoy the high floodwaters, and in the summer they will see and smell the blooming buttonbush and observe debris from the previous winter's high water. The experience on the bridge will bring alive the text and pictures from the Visitor Center exhibits. Additionally, disabled visitors will have access to a natural area that otherwise is completely inaccessible. The project will create a platform to address restoration stressors for the eastside tributaries by informing and educating visitors of the importance of river and delta habitats for chinook salmon, splittail, greater sandhill crane, giant garter snake, and Swainson hawk.

During flood stage, coinciding with heavy waterfowl presence, the Willow Slough Trail is unreachable due to high water near the beginning of the trail. The addition of pedestrian bridge will allow visitors access to both the Willow Slough trail and vastly improved wildlife-viewing opportunities as well as experience the positive aspects of seasonal flooding in the floodplain.

Experience has taught us that time is the limiting factor during field trips. By allowing the students to access the Visitor Center immediately following the trail, they will have more time to experience the unique natural features of the trail and to view the exhibits.

During the school year 1996/97, the number of students visiting the Preserve increased by 50% from the previous year, and the number of educators and parents attending the teacher workshops doubled. Spring remains our busiest season, demonstrated by a two-fold increase over the fall season during the 1996/97 school year. The presence of a bridge connecting the Visitor Center to the trail would significantly increase the visitation during the busy Spring months, providing a welcome bypass to the section of the trail which is regularly flooded in late winter and early spring.

e. *Proposed scope of work*

Complete permitting and environmental assessment for the project; develop a bid package based on prior completed plans; solicit competitive bids for construction and select for contract the lowest responsive and responsible bidder, pursuant to federal laws and regulations governing competitive bidding; prepare and execute a contract based on the winning bid, assuring that bonding and insurance requirements are met and all state and federal requirements adhered to; inspect and review construction;

arrange for progress payments pursuant to the contract; conduct a final inspection, accept product and arrange for final payment.

f. *Monitoring and data evaluation*

School group and other public use of the Willow Slough Bridge will be monitored as part of the ongoing monitoring of use of the Preserve. The Preserve's Outreach Manager will be responsible for this monitoring and reporting. Specifications for reporting acceptable to CALFED will be defined in the funding agreement.

g. *Implementability*

There are no barriers to implementation, since both affected landowners (BLM and The Nature Conservancy) support this project. Work associated with permitting, including extensive agency contact, is largely completed. Required permits include Army Corps of Engineers Nationwide 14, a CA DFG Streambed Alteration Agreement, a Sacramento County Water Agency permit, and a Water Quality Certification. BLM will prepare an Environmental Assessment (EA) prior to implementation of the project.

IV. Costs and Schedules to Implement Proposed Project

a. *Budget costs*

Project Phase and Task	Direct Labor Hours	Direct Salary and Benefits	Overhead Labor (General, admin and fee)	Service Contracts	Material and Acquisition Contracts	Miscellaneous and other Direct Costs	Total Cost
Design & Review Plans *BLM			\$ 4000				\$ 4000
Contract Develop & Admin			\$ 8,000				\$ 8000
Construct Facility CALFED				\$150,000		\$ 30,000 *	\$180,000
TOTAL			\$ 12,000	\$150,000		\$ 30,000	\$192,000

* Contingency funds for contract administration or cost over runs.

b. *Schedule milestones*

Assuming an award of grant funds in 1997, the review of plans and design by BLM engineering staff and the development of a contract will be completed by February, 1998. Contract will be awarded and the project started August 1, 1998. Project completion will take place by September 30, 1998.

c. *Third party impacts*

There are no third party impacts.

V. Applicant Qualifications

The Bureau of Land Management is responsible for the stewardship of 270,000 million acres of public land. The Bureau has 50 years experience in design, construction and contract administration for facilities on public lands. During the last 25 years BLM has worked closely with the public in the development of facilities for recreational and educational opportunities. The Folsom Resource Area has during the last 10 years gained considerable expertise in the construction of visitor centers, campgrounds, composting sanitation facilities, handicap accessible trails and board walks along the Merced Wild and Scenic River, the North and South Fork of the American River and the Cosumnes River. The Resource Area has successfully planned and completed projects totaling \$3,000,000 on these three river corridors. The Bureau has successfully constructed and implemented projects with the National Fish and Wildlife Foundation, and is familiar with grant proposal and administration processes. The Bureau is committed to the enhancement of the Visitor Center through the development of this project and has full support from the Cosumnes River Preserve partnership.

VI. Compliance with Standard Terms and Conditions

The Bureau of Land Management can comply with all provisions in this section with exception of number 2, the Payment Schedule. Regulation and existing policy require the Bureau of Land Management to have a fund disbursement account with sufficient funds to complete a project prior to entering into a contractual arrangement to construct the project. The BLM has successfully worked with the California Wildlife Conservation Board in contracting for construction of the Cosumnes River Preserve Visitor Center by depositing State funds designated for the Visitor Center into a BLM contributed account. A BLM contributed account agreement specifies conditions the cooperator(State, CALFED, NFWF) has with respect to the expenditure of funds. In addition funds not used to complete project can be returned to the cooperator. The contributed account provides the BLM with the necessary means enter into construction contact arrangement.

Agreement No. _____

Exhibit _____

NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY
 BIDDER AND SUBMITTED WITH BID FOR PUBLIC WORKS

STATE OF CALIFORNIA)

)ss

COUNTY OF Sacramento)Rick Cooper

(name)

, being first duly sworn, deposes and

says that he or she is Preserve Manager

(position title)

of

Bureau of Land Management, Folsom Resource Area, Cosumnes River Preserve

(the bidder)

the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

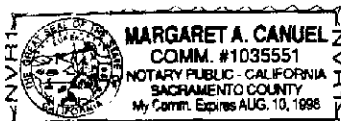
DATED: July 25, 1997

By

Rick Cooper

(person signing for bidder)

Subscribed and sworn to before me on



(Notarial Seal)

July 25TH 1997Margaret A. Canuel

(Notary Public)

NONDISCRIMINATION COMPLIANCE STATEMENT

COMPANY NAME

U.S. Department of Interior, Bureau of Land Management, Cosumnes River Preserve

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

CERTIFICATION

I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

OFFICIAL'S NAME

Rick Cooper, Cosumnes River Preserve Manager

DATE EXECUTED

July 25, 1997

EXECUTED IN THE COUNTY OF

Sacramento

PROSPECTIVE CONTRACTOR'S SIGNATURE

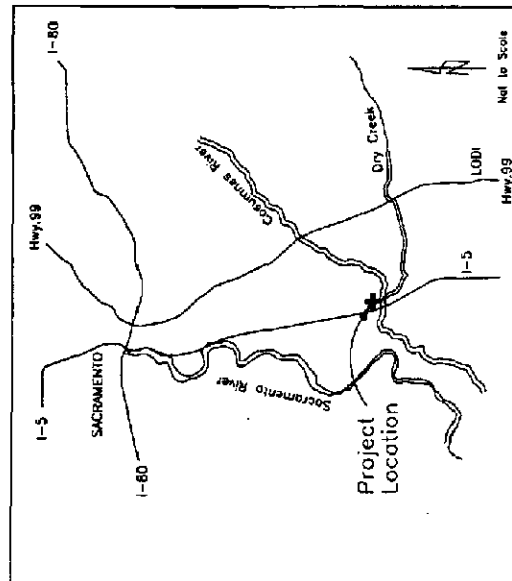
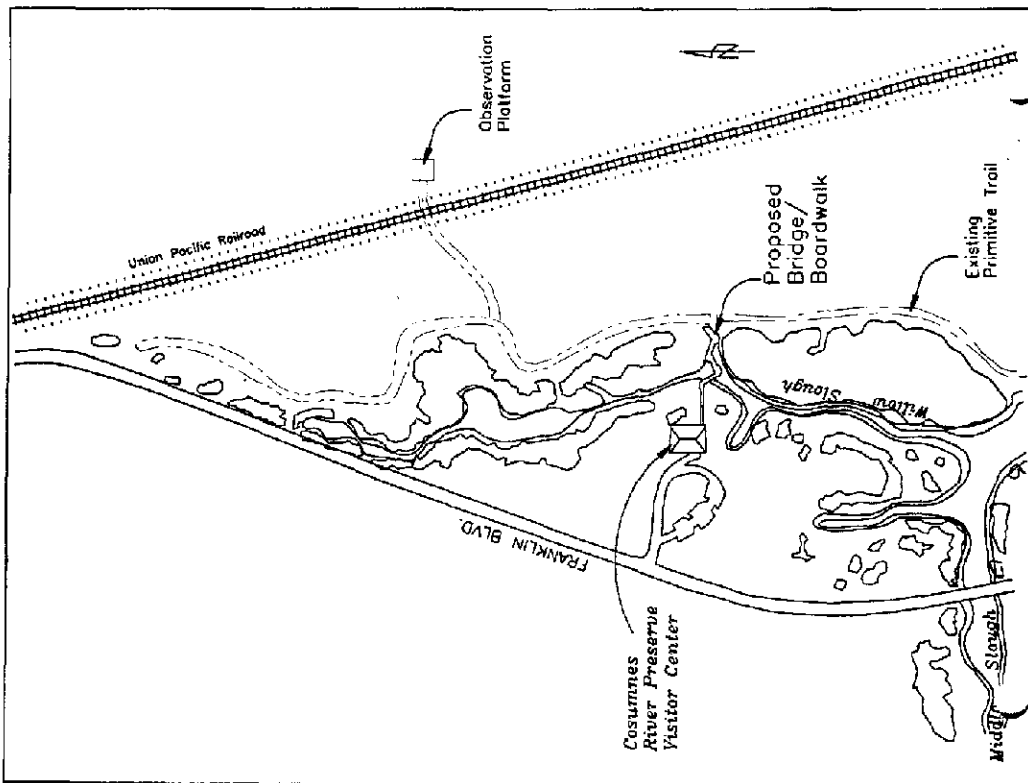
Rick Cooper

PROSPECTIVE CONTRACTOR'S TITLE

Cosumnes River Preserve Manager

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

Bureau of Land Management, Folsom Resource Area, Cosumnes River Preserve



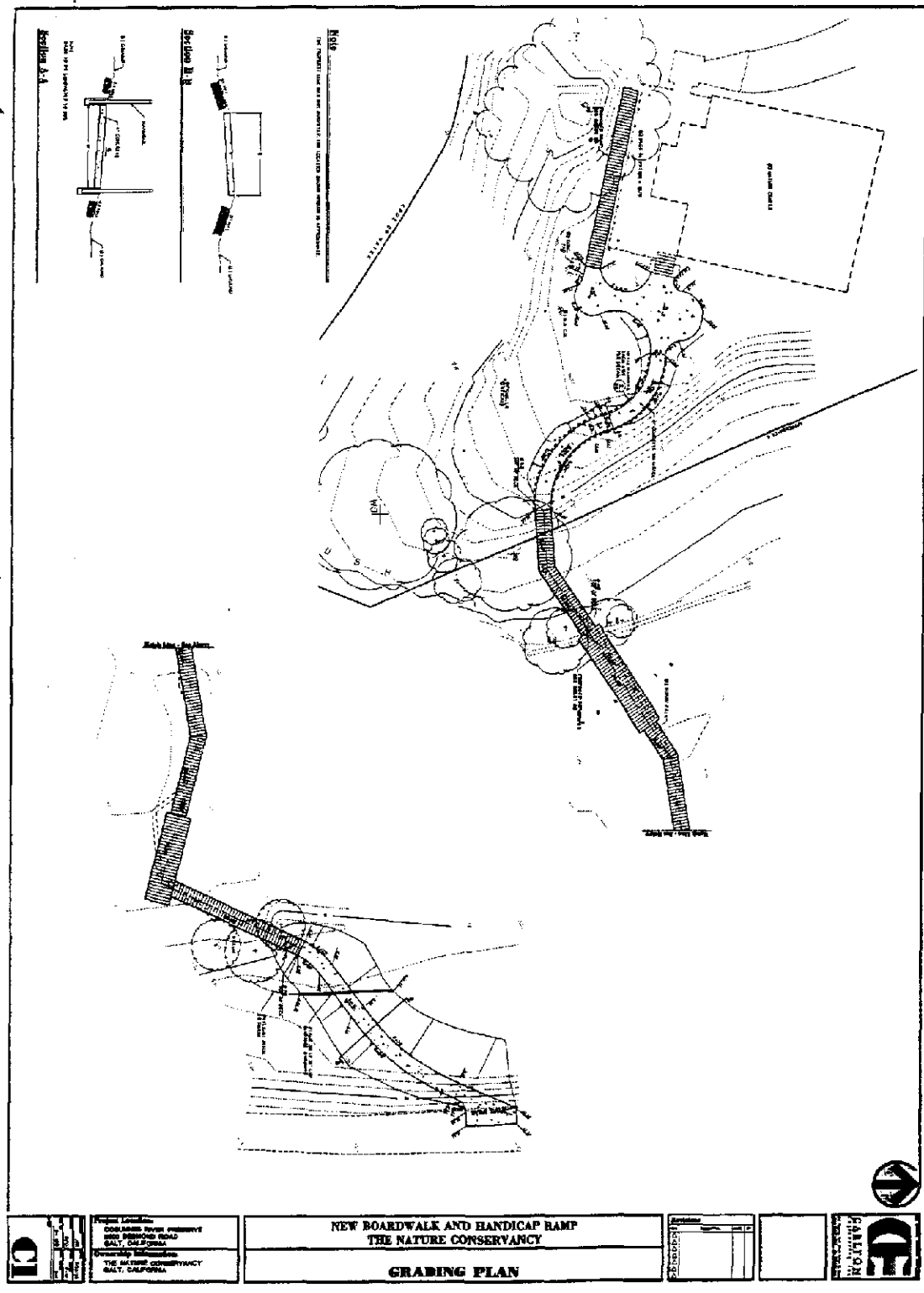
Biological Resources Evaluation.
The Nature Conservancy
Cosumnes River Preserve
Sacramento County, CA
June 28, 1995

Figure 1.
Project Study Area.

*Sycamore Environmental
Consultants, Inc.*

Basemap:
Cosumnes River Preserve, Proposed Bridge
and Trail Improvements, 12/15/93,
Diana Erickson, Landscape Architect.

Figure 2a



2.3.	2.3.1	2.3.2	2.3.3	2.3.4	2.3.5	2.3.6	2.3.7	2.3.8	2.3.9	2.3.10	2.3.11	2.3.12	2.3.13	2.3.14	2.3.15	2.3.16	2.3.17	2.3.18	2.3.19	2.3.20	2.3.21	2.3.22	2.3.23	2.3.24	2.3.25	2.3.26	2.3.27	2.3.28	2.3.29	2.3.30	2.3.31	2.3.32	2.3.33	2.3.34	2.3.35	2.3.36	2.3.37	2.3.38	2.3.39	2.3.40	2.3.41	2.3.42	2.3.43	2.3.44	2.3.45	2.3.46	2.3.47	2.3.48	2.3.49	2.3.50	2.3.51	2.3.52	2.3.53	2.3.54	2.3.55	2.3.56	2.3.57	2.3.58	2.3.59	2.3.60	2.3.61	2.3.62	2.3.63	2.3.64	2.3.65	2.3.66	2.3.67	2.3.68	2.3.69	2.3.70	2.3.71	2.3.72	2.3.73	2.3.74	2.3.75	2.3.76	2.3.77	2.3.78	2.3.79	2.3.80	2.3.81	2.3.82	2.3.83	2.3.84	2.3.85	2.3.86	2.3.87	2.3.88	2.3.89	2.3.90	2.3.91	2.3.92	2.3.93	2.3.94	2.3.95	2.3.96	2.3.97	2.3.98	2.3.99	2.3.100	2.3.101	2.3.102	2.3.103	2.3.104	2.3.105	2.3.106	2.3.107	2.3.108	2.3.109	2.3.110	2.3.111	2.3.112	2.3.113	2.3.114	2.3.115	2.3.116	2.3.117	2.3.118	2.3.119	2.3.120	2.3.121	2.3.122	2.3.123	2.3.124	2.3.125	2.3.126	2.3.127	2.3.128	2.3.129	2.3.130	2.3.131	2.3.132	2.3.133	2.3.134	2.3.135	2.3.136	2.3.137	2.3.138	2.3.139	2.3.140	2.3.141	2.3.142	2.3.143	2.3.144	2.3.145	2.3.146	2.3.147	2.3.148	2.3.149	2.3.150	2.3.151	2.3.152	2.3.153	2.3.154	2.3.155	2.3.156	2.3.157	2.3.158	2.3.159	2.3.160	2.3.161	2.3.162	2.3.163	2.3.164	2.3.165	2.3.166	2.3.167	2.3.168	2.3.169	2.3.170	2.3.171	2.3.172	2.3.173	2.3.174	2.3.175	2.3.176	2.3.177	2.3.178	2.3.179	2.3.180	2.3.181	2.3.182	2.3.183	2.3.184	2.3.185	2.3.186	2.3.187	2.3.188	2.3.189	2.3.190	2.3.191	2.3.192	2.3.193	2.3.194	2.3.195	2.3.196	2.3.197	2.3.198	2.3.199	2.3.200	2.3.201	2.3.202	2.3.203	2.3.204	2.3.205	2.3.206	2.3.207	2.3.208	2.3.209	2.3.210	2.3.211	2.3.212	2.3.213	2.3.214	2.3.215	2.3.216	2.3.217	2.3.218	2.3.219	2.3.220	2.3.221	2.3.222	2.3.223	2.3.224	2.3.225	2.3.226	2.3.227	2.3.228	2.3.229	2.3.230	2.3.231	2.3.232	2.3.233	2.3.234	2.3.235	2.3.236	2.3.237	2.3.238	2.3.239	2.3.240	2.3.241	2.3.242	2.3.243	2.3.244	2.3.245	2.3.246	2.3.247	2.3.248	2.3.249	2.3.250	2.3.251	2.3.252	2.3.253	2.3.254	2.3.255	2.3.256	2.3.257	2.3.258	2.3.259	2.3.260	2.3.261	2.3.262	2.3.263	2.3.264	2.3.265	2.3.266	2.3.267	2.3.268	2.3.269	2.3.270	2.3.271	2.3.272	2.3.273	2.3.274	2.3.275	2.3.276	2.3.277	2.3.278	2.3.279	2.3.280	2.3.281	2.3.282	2.3.283	2.3.284	2.3.285	2.3.286	2.3.287	2.3.288	2.3.289	2.3.290	2.3.291	2.3.292	2.3.293	2.3.294	2.3.295	2.3.296	2.3.297	2.3.298	2.3.299	2.3.300	2.3.301	2.3.302	2.3.303	2.3.304	2.3.305	2.3.306	2.3.307	2.3.308	2.3.309	2.3.310	2.3.311	2.3.312	2.3.313	2.3.314	2.3.315	2.3.316	2.3.317	2.3.318	2.3.319	2.3.320	2.3.321	2.3.322
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1. CONCRETE IS A COMPOSITE OF CEMENT AND AGGREGATE BLENDED TOGETHER IN SUCH A MANNER THAT THE COMPOSITE IS STRONGER THAN THE INDIVIDUAL COMPONENTS.
2. CEMENT IS A HYDRAULIC BINDER WHICH SETS AND HARDENS BY THE ACTION OF WATER AND CEMENTATION OF THE AGGREGATE PARTICLES TOGETHER.
3. AGGREGATE IS A MIXTURE OF GRAVEL AND SAND WHICH IS USED TO FILL THE SPACES BETWEEN THE CEMENT PARTICLES.
4. CEMENT IS A HYDRAULIC BINDER WHICH SETS AND HARDENS BY THE ACTION OF WATER AND CEMENTATION OF THE AGGREGATE PARTICLES TOGETHER.
5. CEMENT IS A HYDRAULIC BINDER WHICH SETS AND HARDENS BY THE ACTION OF WATER AND CEMENTATION OF THE AGGREGATE PARTICLES TOGETHER.
6. CEMENT IS A HYDRAULIC BINDER WHICH SETS AND HARDENS BY THE ACTION OF WATER AND CEMENTATION OF THE AGGREGATE PARTICLES TOGETHER.
7. CEMENT IS A HYDRAULIC BINDER WHICH SETS AND HARDENS BY THE ACTION OF WATER AND CEMENTATION OF THE AGGREGATE PARTICLES TOGETHER.
8. CEMENT IS A HYDRAULIC BINDER WHICH SETS AND HARDENS BY THE ACTION OF WATER AND CEMENTATION OF THE AGGREGATE PARTICLES TOGETHER.
9. CEMENT IS A HYDRAULIC BINDER WHICH SETS AND HARDENS BY THE ACTION OF WATER AND CEMENTATION OF THE AGGREGATE PARTICLES TOGETHER.
10. CEMENT IS A HYDRAULIC BINDER WHICH SETS AND HARDENS BY THE ACTION OF WATER AND CEMENTATION OF THE AGGREGATE PARTICLES TOGETHER.

[illegible]

9. ADVISE THE FOLLOWING INFORMATION WAS OBTAINED ON JAN 7/80 AT AN AIRPORT
IN NEW YORK BY AIRMAIL FROM NEW YORK TO WASHINGTON AND THAT THE AIRPORT
OFFICIALS IN NEW YORK HAD NO RECORD OF ANY PERSONS BY THE NAME OF

10. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE FBI BUREAU:

11. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE FBI BUREAU:

12. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE FBI BUREAU:

13. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE FBI BUREAU:

14. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE FBI BUREAU:

15. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE FBI BUREAU:

16. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE FBI BUREAU:

17. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE FBI BUREAU:

18. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE FBI BUREAU:

19. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE FBI BUREAU:

20. THE FOLLOWING INFORMATION WAS OBTAINED FROM THE FBI BUREAU:

1. LUMBER: LAST 40-50' AND 10' REMAINING
EXPOSED 10' DEEP. _____ 5'

2. SUBSISTE: LUMBER 10' REMAINING AND 10' REMAINING
SUBSISTE 10' REMAINING AND 10' REMAINING
SUBSISTE 10' REMAINING AND 10' REMAINING

3. LUMBER: NEW LUMBER 10' REMAINING AND 10' REMAINING
SUBSISTE 10' REMAINING AND 10' REMAINING
SUBSISTE 10' REMAINING AND 10' REMAINING

4. LUMBER: NEW LUMBER 10' REMAINING AND 10' REMAINING
SUBSISTE 10' REMAINING AND 10' REMAINING
SUBSISTE 10' REMAINING AND 10' REMAINING

5. LUMBER: NEW LUMBER 10' REMAINING AND 10' REMAINING
SUBSISTE 10' REMAINING AND 10' REMAINING
SUBSISTE 10' REMAINING AND 10' REMAINING

1. RESEARCH SHALL BEALIGNED WITH THE MISSION OF THE U.S. DEPARTMENT OF JUSTICE AND SHALL BE CONDUCTED IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE DEPARTMENT OF JUSTICE AND THE FEDERAL BUREAU OF INVESTIGATION.

2. RESEARCH SHALL BE CONDUCTED IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE DEPARTMENT OF JUSTICE AND THE FEDERAL BUREAU OF INVESTIGATION.

3. RESEARCH SHALL BE CONDUCTED IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE DEPARTMENT OF JUSTICE AND THE FEDERAL BUREAU OF INVESTIGATION.

4. RESEARCH SHALL BE CONDUCTED IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE DEPARTMENT OF JUSTICE AND THE FEDERAL BUREAU OF INVESTIGATION.

5. RESEARCH SHALL BE CONDUCTED IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE DEPARTMENT OF JUSTICE AND THE FEDERAL BUREAU OF INVESTIGATION.

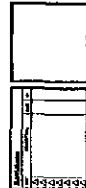
6. RESEARCH SHALL BE CONDUCTED IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE DEPARTMENT OF JUSTICE AND THE FEDERAL BUREAU OF INVESTIGATION.

7. RESEARCH SHALL BE CONDUCTED IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE DEPARTMENT OF JUSTICE AND THE FEDERAL BUREAU OF INVESTIGATION.

8. RESEARCH SHALL BE CONDUCTED IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE DEPARTMENT OF JUSTICE AND THE FEDERAL BUREAU OF INVESTIGATION.

9. RESEARCH SHALL BE CONDUCTED IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE DEPARTMENT OF JUSTICE AND THE FEDERAL BUREAU OF INVESTIGATION.

10. RESEARCH SHALL BE CONDUCTED IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE DEPARTMENT OF JUSTICE AND THE FEDERAL BUREAU OF INVESTIGATION.

[illegible]

**NEW BOARDWALK AND HANDICAP RAMP
THE NATURE CONSERVANCY**

SOLUTIONS

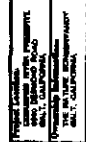
**S**



Figure 2d

